

CHROMED PLATED SHAFTING-1045

AISI/SAE 1045 CHROME PLATED SHAFTING-SUPPLIED IN FIBRE TUBES

TYPICAL ANALYSIS

C.	Mn.	P.	S.	Si.
.43/.50	.60/.90	.04 MAX.	.05 MAX.	.15/.35

THE STEEL USED IS C1045/1050 COLD FINISHED SHAFTING TO ASTM A-108-90A.

SIZE TOLERANCES ARE TO ASTM STANDARD SPECIFICATIONS A 29/A 29M

PRECISION GROUND SHAFTING REPRESENTS THE HIGHEST DEGREE OF OVER-ALL ACCURACY, CONCENTRICITY, STRAIGHTNESS, AND SURFACE PERFECTION ATTAINABLE IN COMMERCIAL PRACTICE. AFTER BEING GROUND ON A CENTERLESS GRINDER, BARS ARE POLISHED TO A SURFACE FINISH OF RMS. 25 MAX.

THE BARS ARE HARD CHROME PLATED BY ELECTROLYTICALLY DEPOSITED LAYERS OF CHROMIUM METAL ON THE SURFACE AND CONFERS THE IMPORTANT PROPERTIES OF CORROSION RESISTANCE AND WEAR RESISTANCE. BEING THAT IT IS VERY SMOOTH IT HAS A LOW COEFFICIENCY TO FRICTION.

CHROME PLATING

FINISHED THICKNESS OF CHROME
 HARDNESS OF CHROME
 SURFACE FINISH

.001" MINIMUM PER SIDE
69-71 RC
RMS. 16 MAX.

TYPICAL APPLICATIONS

HYDRAULIC SHAFTING, PUMP SHAFTS, PISTON RODS, ETC.

MECHANICAL PROPERTIES

YIELD STRENGTH, PSI	1/2" TO 15/16" DIA.	75,000 APPROX..
	1" TO 4" DIA.	100,000 MIN.
	4-1/4" TO 6" DIA.	50,000 MIN.

(CONTINUED)

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SIZE TOLERANCE

ALL TOLERANCES ARE **MINUS**

DIAMETER	TOLERANCES	
1-1/2" DIA. AND UNDER	MINUS	0.0015"
OVER 1-1/2" DIA. TO UNDER 2-1/2" DIA.	MINUS	0.002"
OVER 2-1/2" DIA. TO 3" DIA.	MINUS	0.0025"
OVER 3" DIA. TO 4" DIA.	MINUS	0.0035"
OVER 4" DIA.	MINUS	0.005"

AVAILABLE IN METRIC AND IMPERIAL SIZES